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ABSTRACT

A resource sharing system is provided which makes a resource connected to one processor available to a second processor. A communications protocol is provided which
5 consists of a first and second peer interprocessor communications protocols running on the first and second processors. A physical layer interconnection between the first processor and the second processor is also provided. There is
10 a first application layer entity on the first processor and a corresponding second application layer entity on the second processor, the first application layer entity and the second application layer entity together being adapted to arbitrate
access to the resource between the first processor and the
15 second processor using the first interprocessor communications protocol, the physical layer interconnection and the second intercommunications protocol to provide a communication channel between the first application layer entity and the second application layer entity.